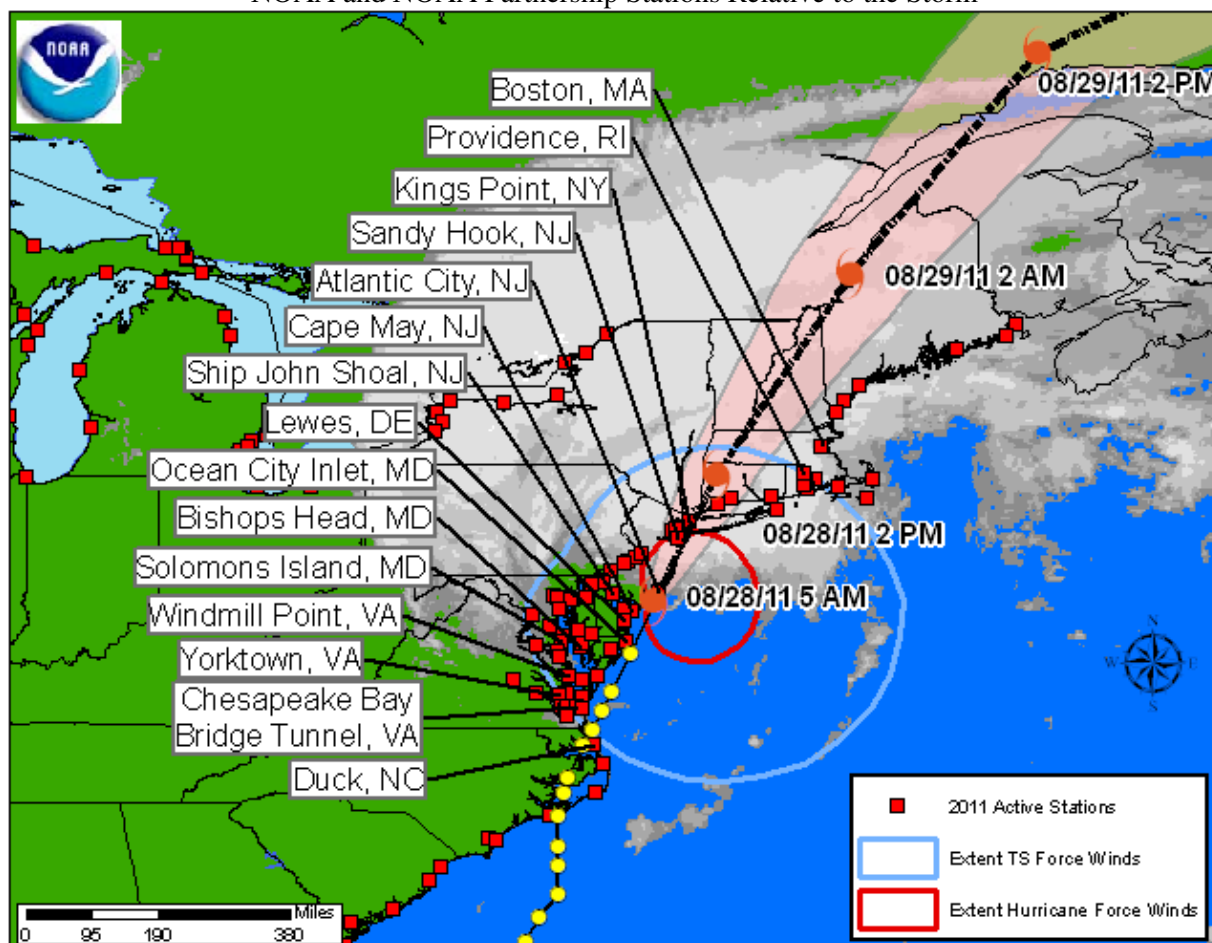




Hurricane IRENE QuickLook
Posted: 06:00 EDT 08/28/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/28/2011 06:00 EDT, water levels along the coast of northern North Carolina northward to Rhode Island, including up to mid-Chesapeake Bay, are being significantly affected by Hurricane Irene. Levels between Ocean City Inlet, MD and Providence, RI range between 2 to 4 feet above predictions. Water levels in from Duck, NC southward to Florida are falling or have returned to near predicted values.

Winds continue to rise ahead of the storm and range between 20 and 45 kts with gusts. Winds are steady around 40 knots in northern North Carolina up to the entrance of the Chesapeake Bay with gusts up to 50 kts at Chesapeake Bay Bridge Tunnel, VA. Winds along the coast from Ocean City, MD to Atlantic City, NJ range from 20 to 30 kts. Winds from Sandy Hook, NJ to Kings Point, NY are increasing.

Barometric pressure is falling from Atlantic City, NJ and northward as far as Boston, MA. Barometric Pressure has bottomed out and is rising from Lewes, DE.

Hurricane IRENE QuickLook, POSTED 06:00 EDT 08/28/2011

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Chesapeake Bay Bridge Tunnel, VA: Next predicted high tides are 3.1 ft (0.94 m) at 08/28/2011 08:03 EDT and 3.3 ft (1.02 m) at 08/28/2011 20:25 EDT.

Yorktown USCG Training Center, VA: Next predicted high tides are 2.8 ft (0.84 m) at 08/28/2011 09:03 EDT and 3.0 ft (0.93 m) at 08/28/2011 21:23 EDT.

Windmill Point, VA: Next predicted high tides are 1.7 ft (0.51 m) at 08/28/2011 10:44 EDT and 1.8 ft (0.54 m) at 08/28/2011 23:08 EDT.

Solomons Island, MD: Next predicted high tides are 1.7 ft (0.50 m) at 08/28/2011 14:04 EDT and 1.8 ft (0.55 m) at 08/29/2011 02:35 EDT.

Bishops Head, MD: Next predicted high tides are 2.0 ft (0.60 m) at 08/28/2011 13:24 EDT and 2.2 ft (0.68 m) at 08/29/2011 01:50 EDT.

Ocean City Inlet, MD: Next predicted high tides are 2.4 ft (0.73 m) at 08/28/2011 07:42 EDT and 2.7 ft (0.85 m) at 08/28/2011 20:17 EDT.

Lewes, DE: Next predicted high tides are 4.5 ft (1.38 m) at 08/28/2011 08:29 EDT and 5.3 ft (1.65 m) at 08/28/2011 20:52 EDT.

Ship John Shoal, NJ: Next predicted high tides are 6.4 ft (1.95 m) at 08/28/2011 09:49 EDT and 7.2 ft (2.21 m) at 08/28/2011 22:08 EDT.

Cape May, NJ: Next predicted high tides are 5.4 ft (1.63 m) at 08/28/2011 08:22 EDT and 6.2 ft (1.92 m) at 08/28/2011 20:44 EDT.

Atlantic City, NJ: Next predicted high tides are 4.6 ft (1.39 m) at 08/28/2011 07:17 EDT and 5.4 ft (1.66 m) at 08/28/2011 19:34 EDT.

Sandy Hook, NJ: Next predicted high tides are 5.4 ft (1.66 m) at 08/28/2011 07:41 EDT and 6.1 ft (1.87 m) at 08/28/2011 19:55 EDT.

Kings Point, NY: Next predicted high tides are 8.4 ft (2.55 m) at 08/28/2011 11:03 EDT and 8.7 ft (2.68 m) at 08/28/2011 23:19 EDT.

Providence, RI: Next predicted high tides are 5.5 ft (1.68 m) at 08/28/2011 07:54 EDT and 5.8 ft (1.79 m) at 08/28/2011 20:14 EDT.

Boston, MA: Next predicted high tides are 10.2 ft (3.12 m) at 08/28/2011 11:06 EDT and 11.3 ft (3.49 m) at 08/28/2011 23:24 EDT.

Duck, NC: Next predicted high tides are 3.8 ft (1.17 m) at 08/28/2011 07:12 EDT and 4.3 ft (1.31 m) at 08/28/2011 19:32 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) homepage.

Analyst:WFR

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE IRENE ADVISORY NUMBER 32
500 AM EDT SUN AUG 28 2011

...IRENE MOVING ALONG THE JERSEY SHORE...EXPECTED TO MOVE NEAR NEW YORK CITY
AND INLAND OVER SOUTHERN NEW ENGLAND TODAY...

WATCHES AND WARNINGS

CHANGES IN WATCHES AND WARNINGS WITH THIS ADVISORY...

THE HURRICANE WARNING SOUTH OF OCRACOE INLET NORTH CAROLINA HAS BEEN
DISCONTINUED.

THE HURRICANE WARNING FROM OCRACOE INLET NORTH CAROLINA NORTHWARD TO
CHINCOTEAGUE VIRGINIA...INCLUDING PAMLICO...ALBEMARLE...AND CURRITUCK SOUNDS
AND CHESAPEAKE BAY SOUTH OF DRUM POINT HAS BEEN CHANGED TO A TROPICAL
STORM WARNING.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- * CHINCOTEAGUE VIRGINIA NORTHWARD TO SAGAMORE BEACH MASSACHUSETTS...
INCLUDING DELAWARE BAY...NEW YORK CITY...LONG ISLAND...LONG ISLAND
SOUND...COASTAL CONNECTICUT AND RHODE ISLAND...BLOCK ISLAND... MARTHAS
VINEYARD AND NANTUCKET

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * OCRACOE INLET NORTH CAROLINA NORTHWARD TO CHINCOTEAGUE
VIRGINIA...INCLUDING THE PAMLICO...ALBEMARLE...AND CURRITUCK
SOUNDS...CHESAPEAKE BAY AND THE TIDAL POTOMAC
- * NORTH OF SAGAMORE BEACH TO EASTPORT MAINE
- * UNITED STATES/CANADA BORDER NORTHEASTWARD TO FORT LAWRENCE
INCLUDING GRAND MANAN
- * SOUTH COAST OF NOVA SCOTIA FROM FORT LAWRENCE TO PORTERS LAKE

INTERESTS ELSEWHERE IN EASTERN CANADA SHOULD MONITOR THE PROGRESS OF IRENE.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING
POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY
YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION
SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS
ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM EDT THE CENTER OF HURRICANE IRENE WAS LOCATED ABOUT 15 MI SSE OF ATLANTIC CITY NEW JERSEY AND ABOUT 115 MI SSW OF NEW YORK CITY. IRENE IS MOVING TOWARD THE NORTH-NORTHEAST NEAR 18 MPH AND THIS MOTION ACCOMPANIED BY A GRADUAL INCREASE IN FORWARD SPEED IS EXPECTED DURING THE NEXT DAY OR SO. ON THE FORECAST TRACK...THE CENTER OF IRENE WILL MOVE NEAR OR OVER THE COAST OF NEW JERSEY AND OVER WESTERN LONG ISLAND THIS MORNING...AND MOVE INLAND OVER SOUTHERN NEW ENGLAND BY THIS AFTERNOON.

DATA FROM THE HURRICANE HUNTER AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 75 MPH WITH HIGHER GUSTS. IRENE IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON SCALE. LITTLE CHANCE IN STRENGTH IS EXPECTED BEFORE IRENE MOVES INLAND LATER TODAY. AFTER LANDFALL IN NEW ENGLAND... IRENE IS FORECAST TO WEAKEN AND BECOME A POST-TROPICAL CYCLONE BY TONIGHT OR EARLY MONDAY.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 125 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 320 MILES. LA GUARDIA AIRPORT IN NEW YORK CITY RECENTLY REPORTED A SUSTAINED WIND OF 41 MPH AND A WIND GUST OF 64 MPH. A SUSTAINED WIND OF 40 MPH AND A WIND GUST OF 58 MPH WERE ALSO RECENTLY REPORTED AT JOHN F. KENNEDY INTERNATIONAL AIRPORT IN NEW YORK CITY.

WATER LEVELS HAVE BEEN RISING RAPIDLY IN ADVANCE OF THE CENTER OF IRENE...WITH RECENTLY OBSERVED STORM SURGE VALUES OF 3.9 FEET AT SANDY HOOK NEW JERSEY...3.8 FEET AT NEW YORK HARBOR...AND 3.1 FEET AT CAPE MAY NEW JERSEY.

THE LATEST MINIMUM CENTRAL PRESSURE REPORTED BY THE HURRICANE HUNTER AIRCRAFT WAS 958 MB...28.29 INCHES. A NATIONAL OCEAN SERVICE OBSERVING SITE IN ATLANTIC CITY NEW JERSEY RECENTLY REPORTED A PRESSURE OF 968.7 MB...28.61 INCHES.

HAZARDS AFFECTING LAND

STORM SURGE...AN EXTREMELY DANGEROUS STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 4 TO 8 FEET ABOVE GROUND LEVEL WITHIN THE HURRICANE WARNING AREA. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE...DESTRUCTIVE...AND LIFE-THREATENING WAVES. HIGHER THAN NORMAL ASTRONOMICAL TIDES ARE OCCURRING THIS WEEKEND. COASTAL AND RIVER FLOODING WILL BE HIGHEST IN AREAS WHERE THE PEAK SURGE OCCURS AROUND THE TIME OF HIGH TIDE. STORM TIDE AND SURGE VALUES ARE VERY LOCATION-SPECIFIC...AND USERS ARE URGED TO CONSULT PRODUCTS ISSUED BY THEIR LOCAL NATIONAL WEATHER SERVICE OFFICES. ALONG THE COAST OF VIRGINIA AND NORTH CAROLINA...INCLUDING THE ALBEMARLE AND PAMLICO SOUNDS...AND THE CHESAPEAKE BAY...WATER LEVELS WILL GRADUALLY SUBSIDE THIS MORNING.

RAINFALL...IRENE IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 5 TO 10 INCHES...WITH ISOLATED MAXIMUM AMOUNTS OF 15 INCHES...FROM EASTERN PENNSYLVANIA...DELAWARE AND NEW JERSEY INTO EASTERN NEW YORK AND INTERIOR NEW ENGLAND. THESE RAINS...COMBINED WITH HEAVY RAINS OVER THE PAST FEW WEEKS...COULD CAUSE WIDESPREAD FLOODING... LIFE-THREATENING FLASH FLOODS...AND

SIGNIFICANT UPROOTING OF TREES DUE TO RAIN-SOFTENED GROUNDS.

WIND...TROPICAL STORM FORCE WINDS AND HURRICANE FORCE WINDS... ESPECIALLY IN GUSTS...WILL CONTINUE TO SPREAD NORTHWARD ALONG THE MID-ATLANTIC COAST...LONG ISLAND...AND SOUTHERN NEW ENGLAND THIS MORNING. WINDS AFFECTING THE UPPER FLOORS OF HIGH-RISE BUILDINGS WILL BE SIGNIFICANTLY STRONGER THAN THOSE NEAR GROUND LEVEL.

NOTE...MORE SO THAN WITH MOST STORMS...THE WINDS WITH IRENE INCREASE SHARPLY WITH HEIGHT ABOVE THE SURFACE. AS IRENE MOVES THROUGH AREAS WITH HIGH-RISE STRUCTURES...THESE BUILDINGS COULD EXPERIENCE WINDS SIGNIFICANTLY STRONGER THAN THE SURFACE WINDS. WINDS AT THE 30-STORY LEVEL WILL LIKELY BE 20 PERCENT HIGHER THAN AT THE SURFACE...AND WINDS 80-100 STORIES UP COULD BE ABOUT 30 PERCENT HIGHER THAN AT THE SURFACE.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE OVER NORTHERN NEW JERSEY...SOUTHEASTERN NEW YORK...AND EXTREME SOUTHERN NEW ENGLAND THROUGH THIS MORNING.

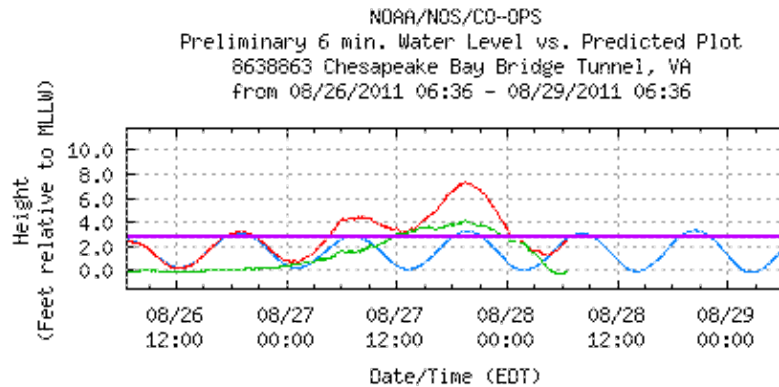
SURF...LARGE SWELLS GENERATED BY IRENE ARE AFFECTING MUCH OF THE EAST COAST OF THE UNITED STATES. THESE SWELLS WILL CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS.

FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Yorktown USCG Training Center - Water Level](#), [Yorktown USCG Training Center - Winds](#), [Yorktown USCG Training Center - Barometric](#), [Windmill Point - Water Level](#), [Solomons Island - Water Level](#), [Solomons Island - Winds](#), [Solomons Island - Barometric](#), [Bishops Head - Water Level](#), [Bishops Head - Winds](#), [Bishops Head - Barometric](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Lewes - Barometric](#), [Ship John Shoal - Water Level](#), [Ship John Shoal - Winds](#), [Ship John Shoal - Barometric](#), [Cape May - Water Level](#), [Cape May - Winds](#), [Cape May - Barometric](#), [Atlantic City - Water Level](#), [Atlantic City - Barometric](#), [Sandy Hook - Water Level](#), [Sandy Hook - Winds](#), [Sandy Hook - Barometric](#), [Kings Point - Water Level](#), [Kings Point - Winds](#), [Kings Point - Barometric](#), [Providence - Water Level](#), [Providence - Winds](#), [Boston - Water Level](#), [Boston - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#),

Chesapeake Bay Bridge Tunnel, VA - Return to List



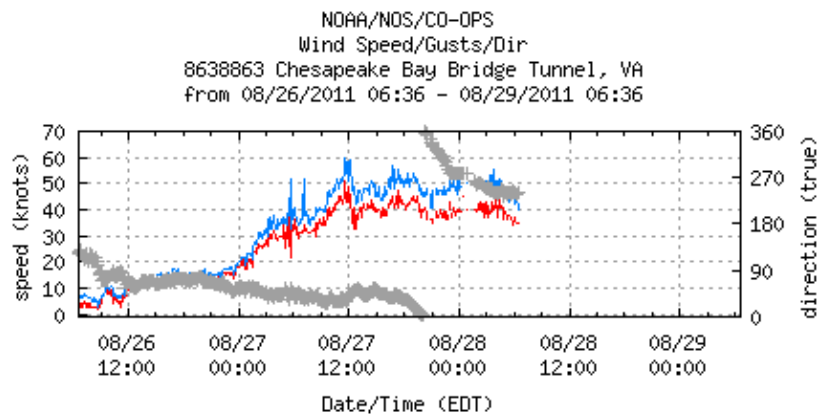
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: **Observed: 2.42 ft.** **Predicted: 2.59 ft.** **Residual: -0.17 ft.**

Historical Maximum Water Level: Feb 5 1998, 3.68 ft. above MHHW

Chesapeake Bay Bridge Tunnel, VA - Return to List

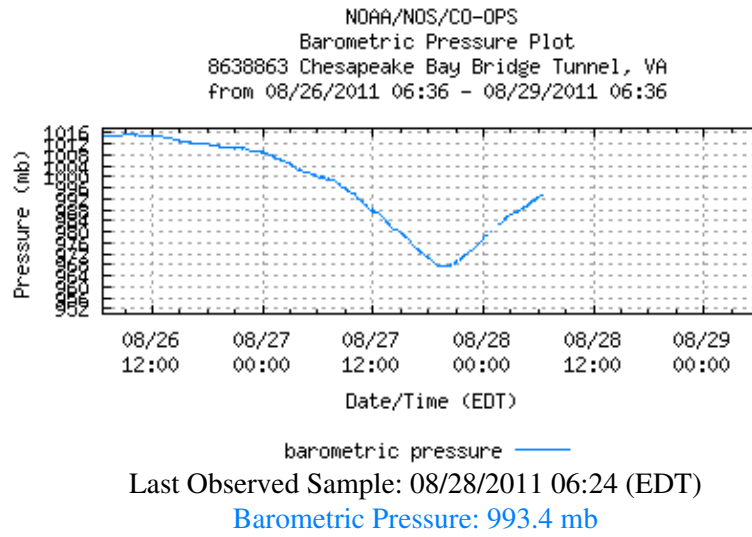


speed — gusts — direction +

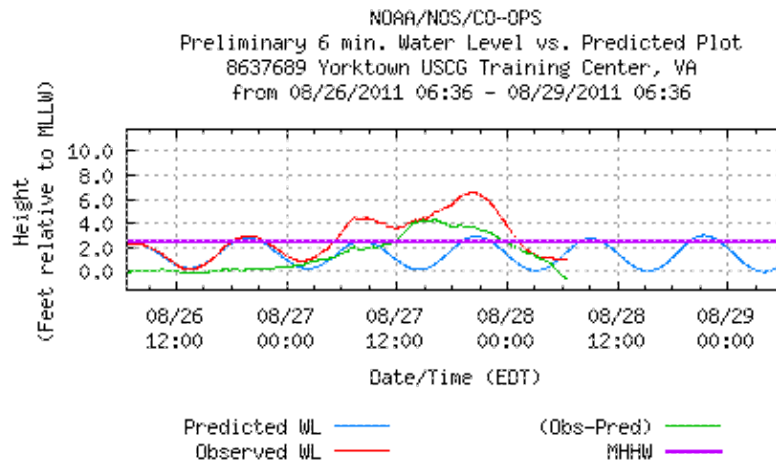
Last Observed Sample: 08/28/2011 06:24 (EDT)

Wind Speed: 35 knots **Gusts: 40 knots** **Direction: 243° T**

Chesapeake Bay Bridge Tunnel, VA - Return to List

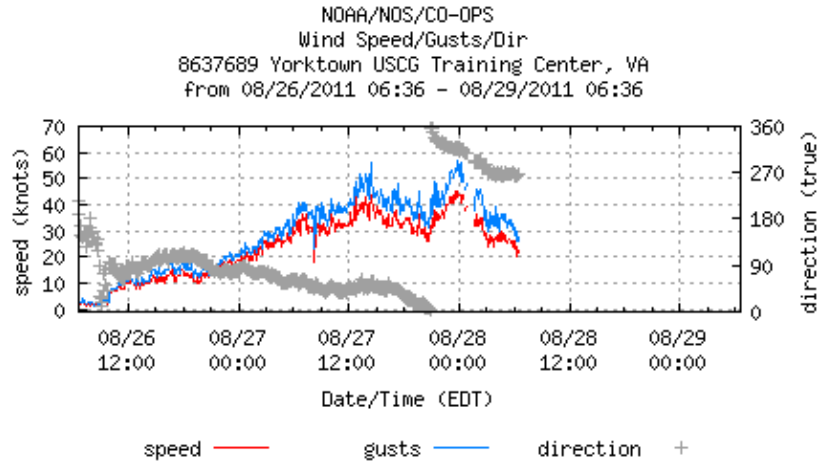


Yorktown USCG Training Center, VA - Return to List



Last Observed Sample: 08/28/2011 06:24 (EDT)
Relative to MLLW: **Observed: 1.05 ft. Predicted: 1.58 ft. Residual: -0.53 ft.**
Historical Maximum Water Level: Nov 12 2009, 4.27 ft. above MHHW

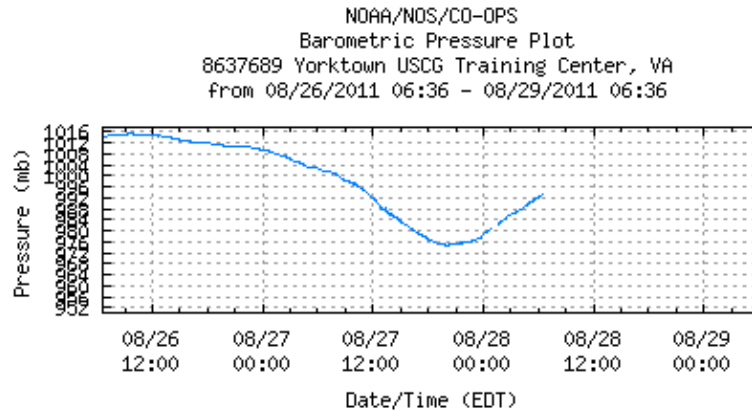
Yorktown USCG Training Center, VA - Return to List



Last Observed Sample: 08/28/2011 06:24 (EDT)

Wind Speed: 22 knots Gusts: 26 knots Direction: 268° T

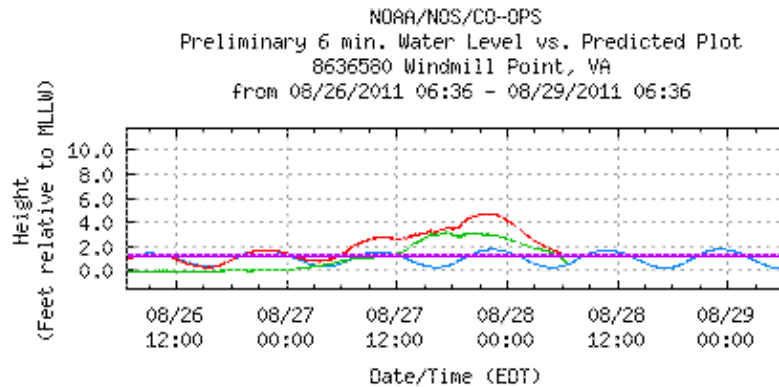
Yorktown USCG Training Center, VA - Return to List



Last Observed Sample: 08/28/2011 06:24 (EDT)

Barometric Pressure: 993.2 mb

Windmill Point, VA - Return to List



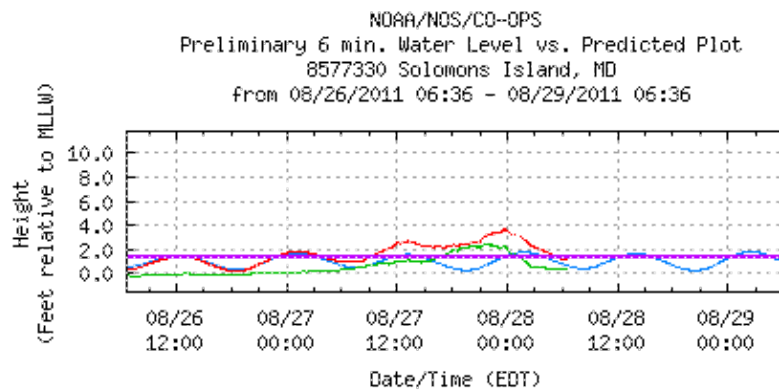
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: **Observed: 1.20 ft.** **Predicted: 0.47 ft.** **Residual: 0.73 ft.**

Historical Maximum Water Level: Sep 1 2006, 3.74 ft. above MHHW

Solomons Island, MD - Return to List



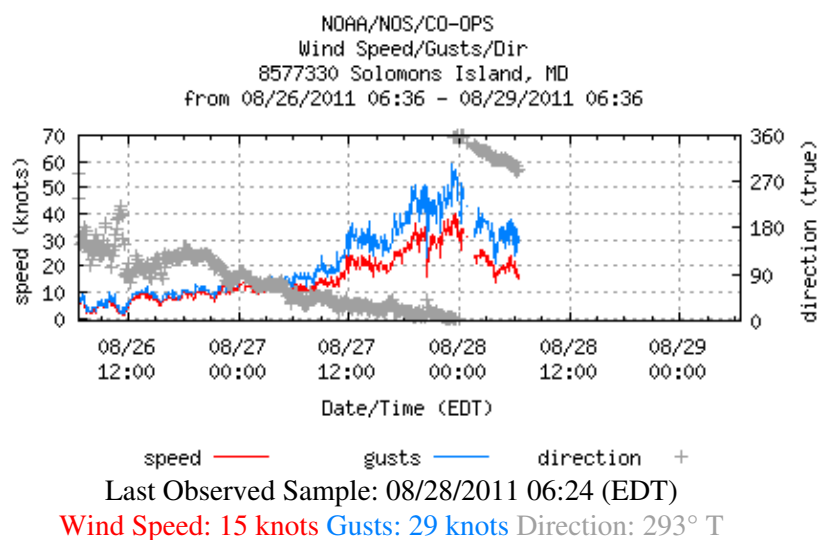
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/28/2011 06:24 (EDT)

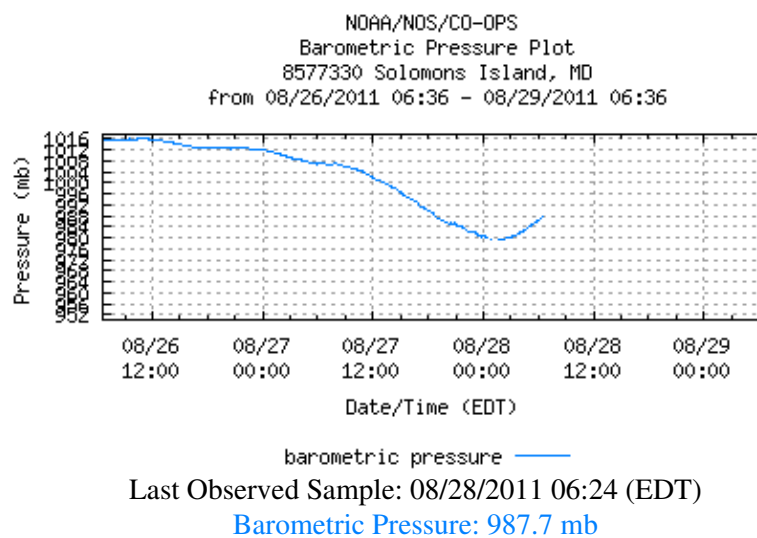
Relative to MLLW: **Observed: 1.10 ft.** **Predicted: 0.69 ft.** **Residual: 0.41 ft.**

Historical Maximum Water Level: Aug 13 1955, 2.8 ft. above MHHW

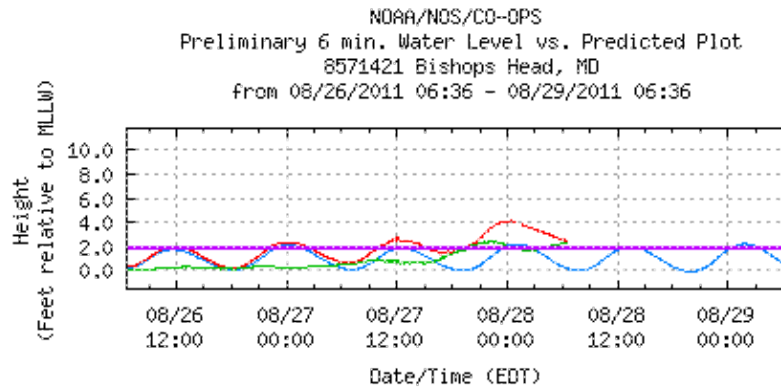
Solomons Island, MD - Return to List



Solomons Island, MD - Return to List



Bishops Head, MD - Return to List



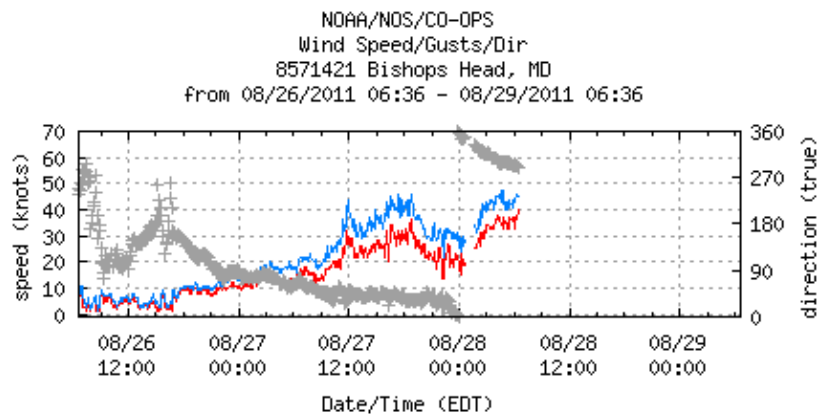
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: **Observed: 2.49 ft.** **Predicted: 0.20 ft.** **Residual: 2.29 ft.**

Historical Maximum Water Level: Apr 17 2011, 2.28 ft. above MHHW

Bishops Head, MD - Return to List

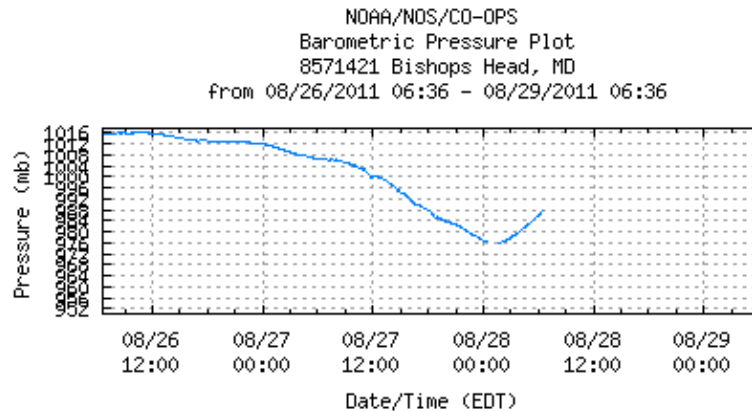


speed — gusts — direction +

Last Observed Sample: 08/28/2011 06:24 (EDT)

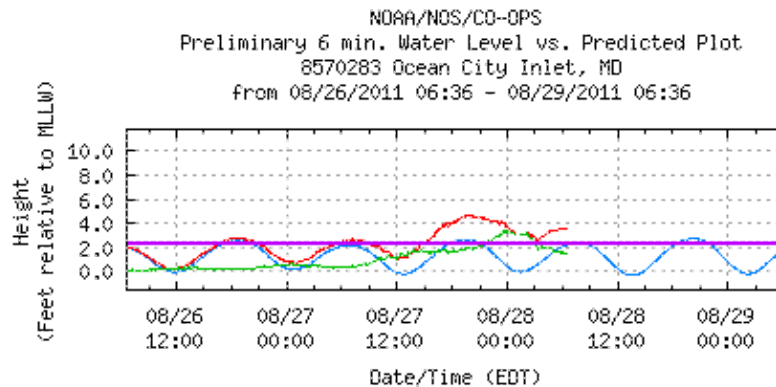
Wind Speed: 40 knots **Gusts: 45 knots** **Direction: 288° T**

Bishops Head, MD - Return to List



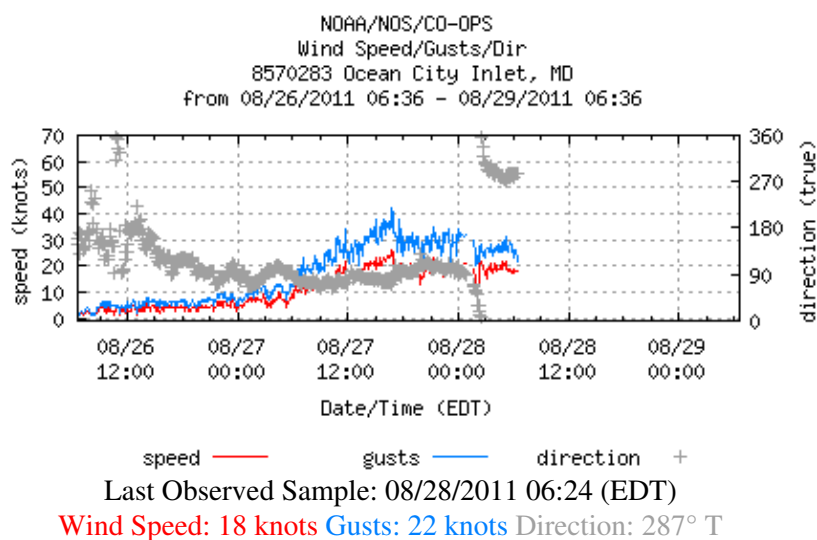
barometric pressure —
Last Observed Sample: 08/28/2011 06:24 (EDT)
Barometric Pressure: 987.4 mb

Ocean City Inlet, MD - Return to List

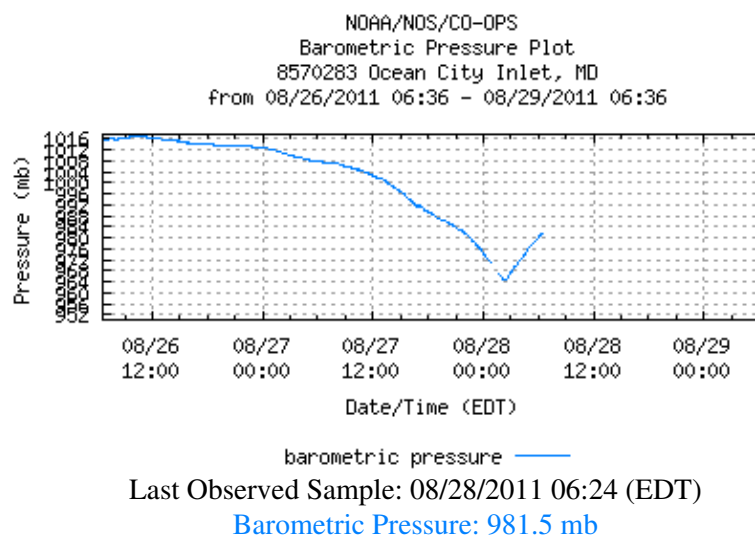


Predicted WL — (Obs-Pred) —
Observed WL — MHHW —
Last Observed Sample: 08/28/2011 06:24 (EDT)
Relative to MLLW: Observed: 3.63 ft. Predicted: 2.19 ft. Residual: 1.44 ft.
Historical Maximum Water Level: Feb 5 1998, 3.61 ft. above MHHW

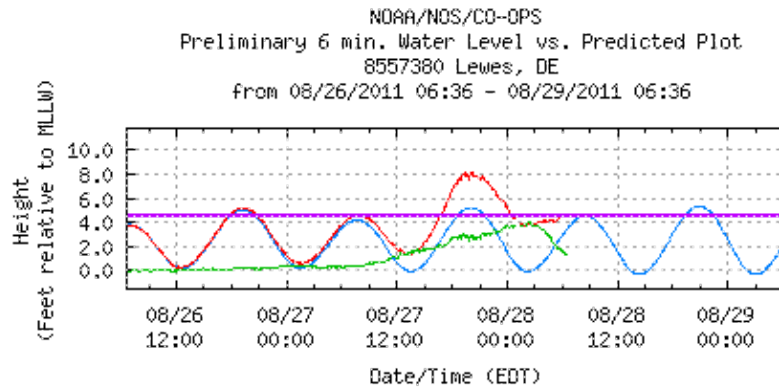
[Ocean City Inlet, MD - Return to List](#)



[Ocean City Inlet, MD - Return to List](#)



[Lewes, DE - Return to List](#)



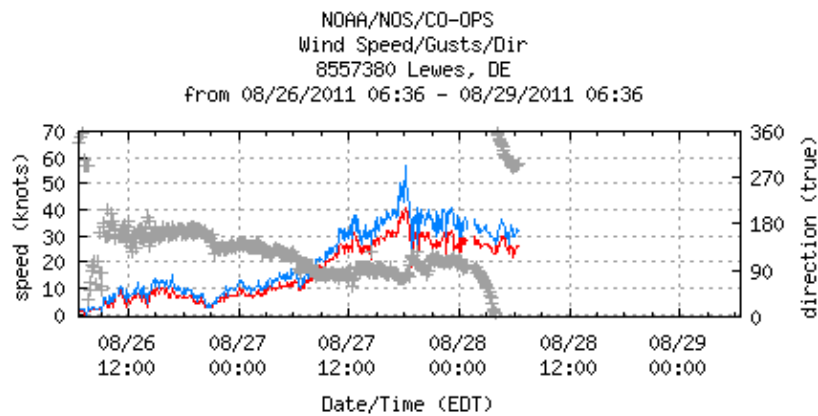
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: **Observed: 4.63 ft.** **Predicted: 3.36 ft.** **Residual: 1.27 ft.**

Historical Maximum Water Level: Mar 6 1962, 4.57 ft. above MHHW

[Lewes, DE - Return to List](#)

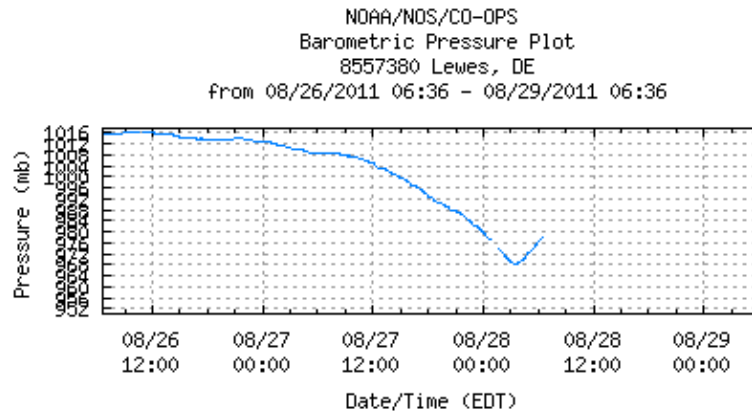


speed — gusts — direction +

Last Observed Sample: 08/28/2011 06:24 (EDT)

Wind Speed: 26 knots **Gusts: 32 knots** **Direction: 296° T**

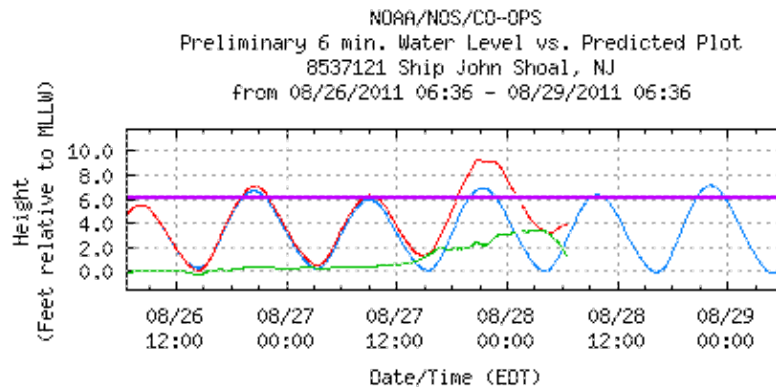
Lewes, DE - Return to List



Last Observed Sample: 08/28/2011 06:24 (EDT)

Barometric Pressure: 977.8 mb

Ship John Shoal, NJ - Return to List

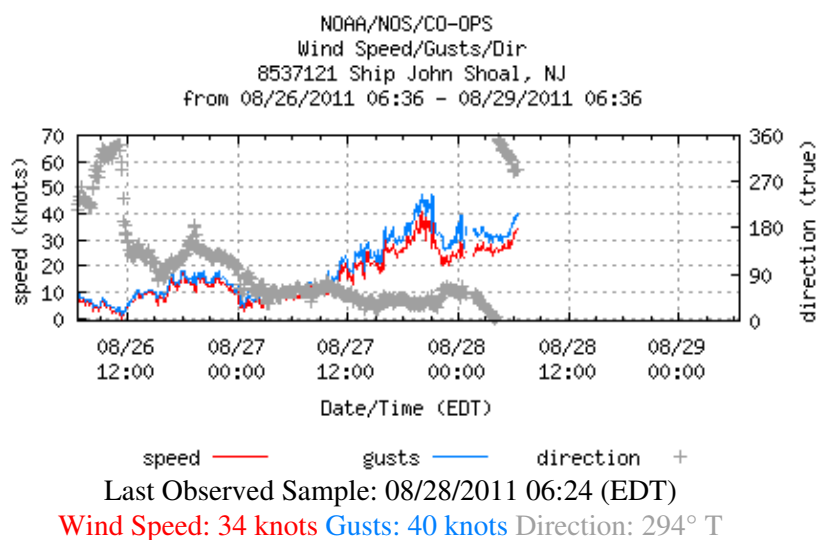


Last Observed Sample: 08/28/2011 06:24 (EDT)

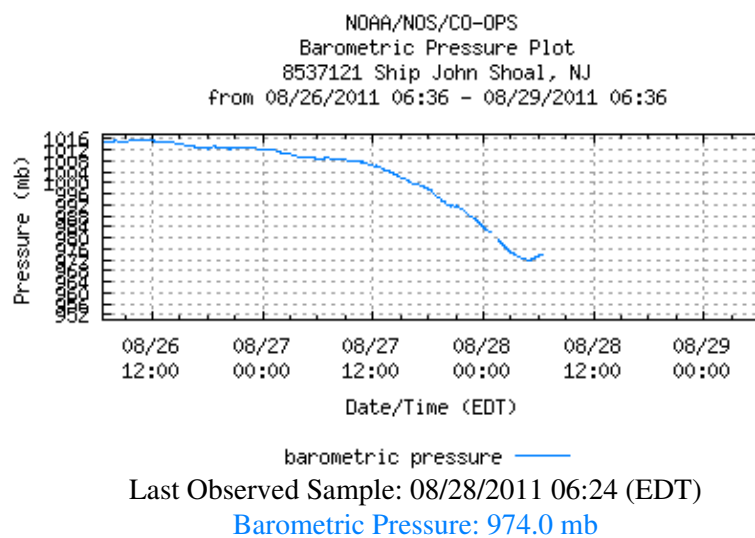
Relative to MLLW: Observed: 3.89 ft. Predicted: 2.53 ft. Residual: 1.36 ft.

Historical Maximum Water Level: Apr 17 2011, 3.08 ft. above MHHW

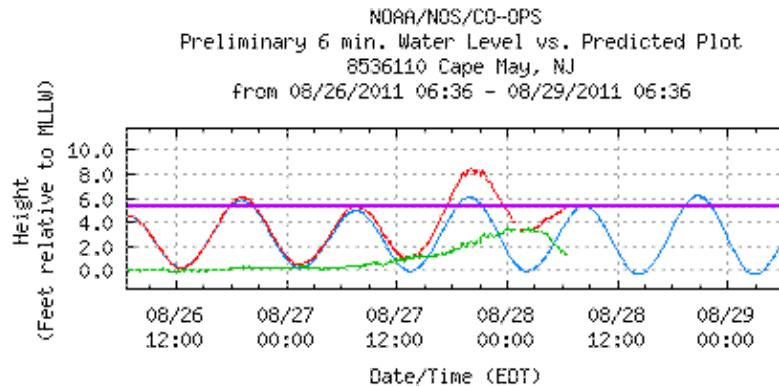
Ship John Shoal, NJ - Return to List



Ship John Shoal, NJ - Return to List



Cape May, NJ - Return to List



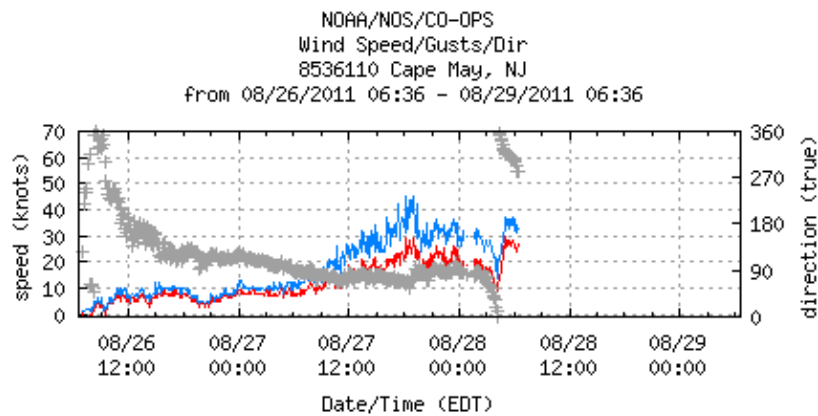
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: **Observed: 5.38 ft.** **Predicted: 3.98 ft.** **Residual: 1.40 ft.**

Historical Maximum Water Level: Sep 27 1985, 3.36 ft. above MHHW

Cape May, NJ - Return to List

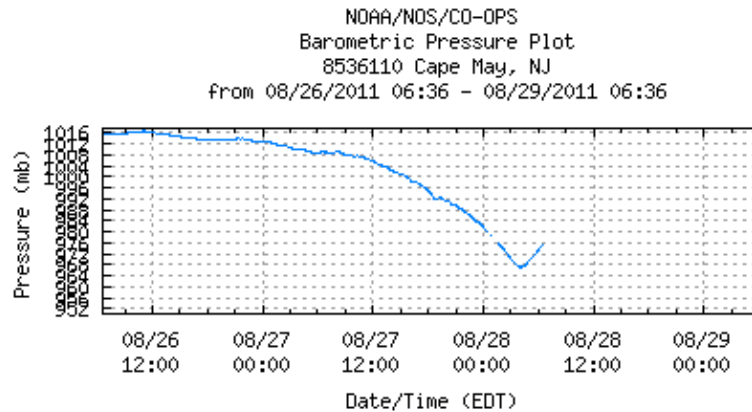


speed — gusts — direction +

Last Observed Sample: 08/28/2011 06:24 (EDT)

Wind Speed: 27 knots **Gusts: 33 knots** **Direction: 281° T**

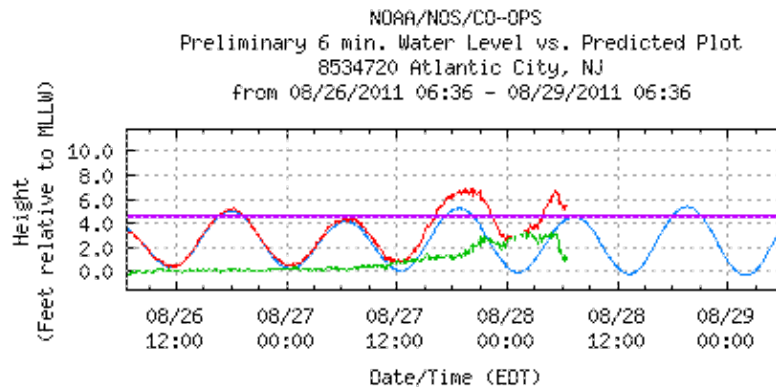
Cape May, NJ - Return to List



Last Observed Sample: 08/28/2011 06:24 (EDT)

Barometric Pressure: 975.1 mb

Atlantic City, NJ - Return to List

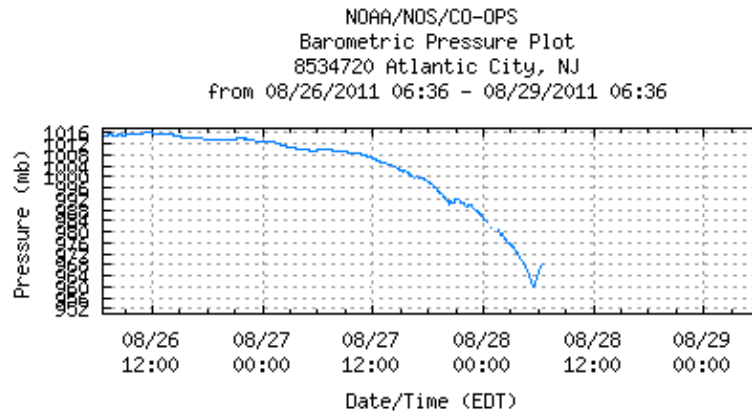


Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: Observed: 5.40 ft. Predicted: 4.33 ft. Residual: 1.07 ft.

Historical Maximum Water Level: Dec 11 1992, 4.38 ft. above MHHW

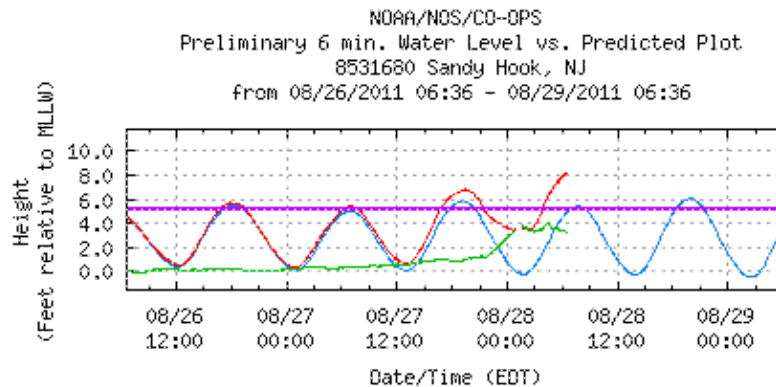
Atlantic City, NJ - Return to List



Last Observed Sample: 08/28/2011 06:24 (EDT)

Barometric Pressure: 968.1 mb

Sandy Hook, NJ - Return to List

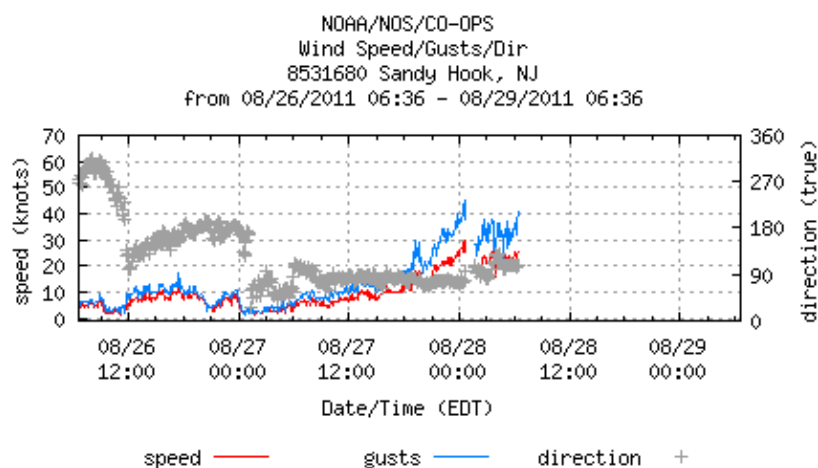


Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: **Observed: 8.15 ft.** **Predicted: 4.85 ft.** **Residual: 3.30 ft.**

Historical Maximum Water Level: Sep 12 1960, 4.86 ft. above MHHW

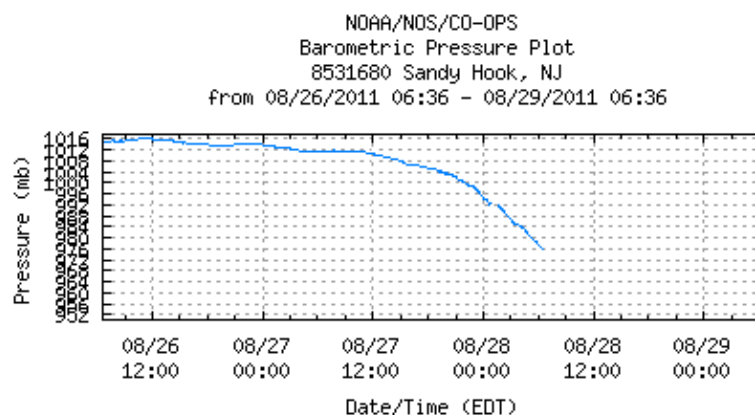
[Sandy Hook, NJ - Return to List](#)



Last Observed Sample: 08/28/2011 06:24 (EDT)

Wind Speed: 25 knots Gusts: 41 knots Direction: 108° T

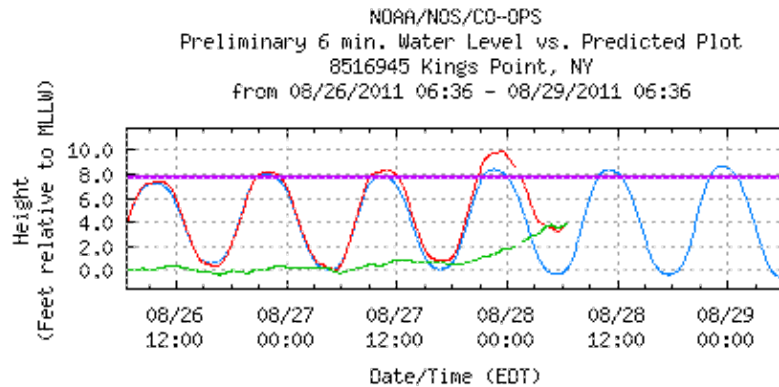
[Sandy Hook, NJ - Return to List](#)



Last Observed Sample: 08/28/2011 06:24 (EDT)

Barometric Pressure: 975.7 mb

Kings Point, NY - Return to List

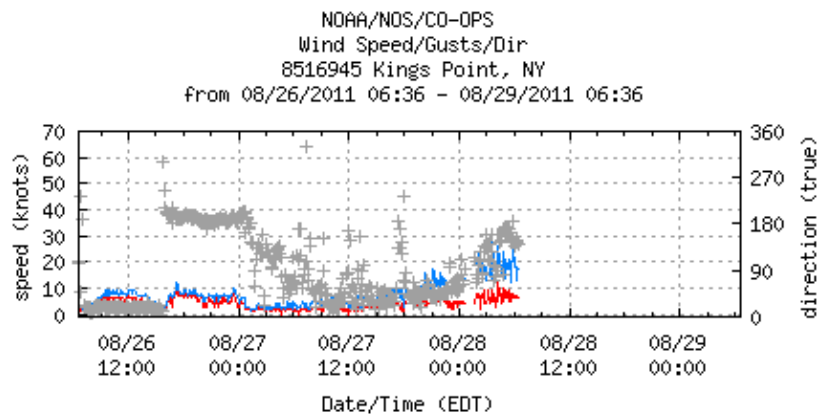


Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: **Observed: 3.89 ft.** **Predicted: 0.07 ft.** **Residual: 3.82 ft.**

Historical Maximum Water Level: Mar 14 2010, 4.49 ft. above MHHW

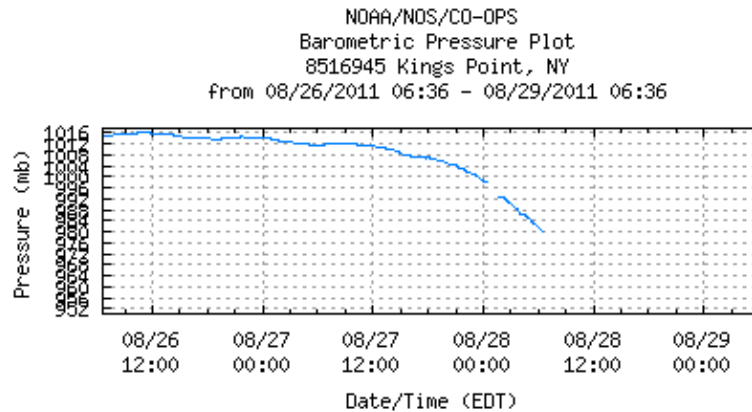
Kings Point, NY - Return to List



Last Observed Sample: 08/28/2011 06:24 (EDT)

Wind Speed: 6 knots **Gusts: 17 knots** **Direction: 142° T**

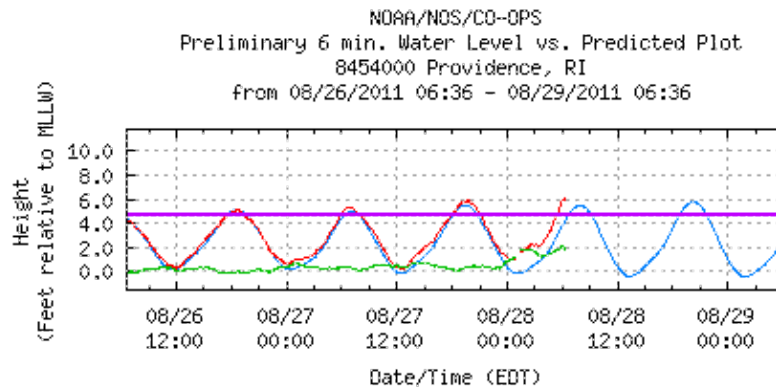
Kings Point, NY - Return to List



Last Observed Sample: 08/28/2011 06:24 (EDT)

Barometric Pressure: 980.3 mb

Providence, RI - Return to List

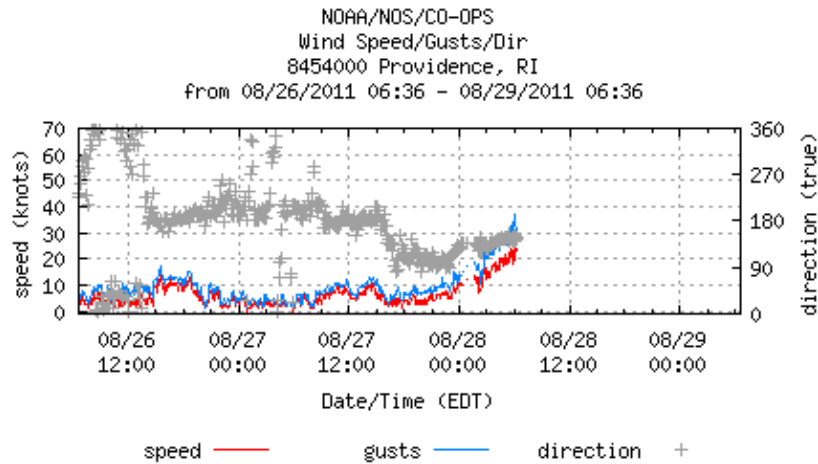


Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: **Observed: 6.25 ft.** **Predicted: 4.37 ft.** **Residual: 1.88 ft.**

Historical Maximum Water Level: Sep 21 1938, 12.67 ft. above MHHW

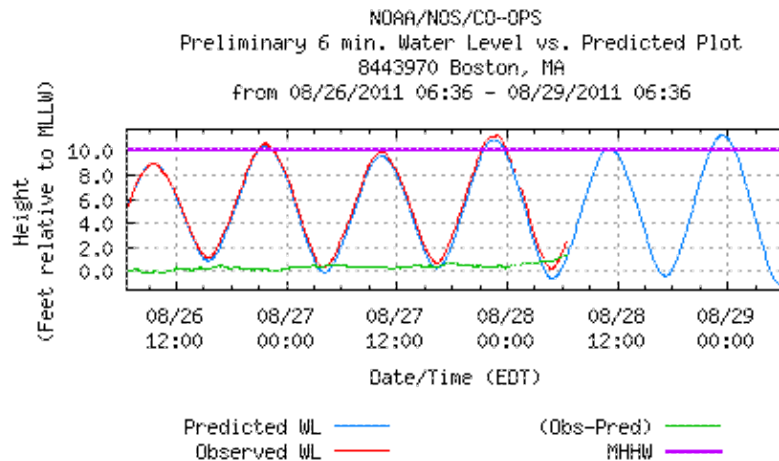
Providence, RI - Return to List



Last Observed Sample: 08/28/2011 06:24 (EDT)

Wind Speed: 22 knots Gusts: 31 knots Direction: 155° T

Boston, MA - Return to List

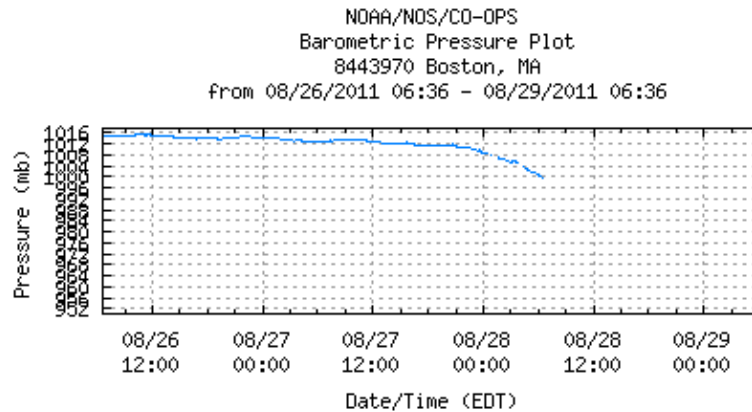


Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: Observed: 2.41 ft. Predicted: 1.08 ft. Residual: 1.33 ft.

Historical Maximum Water Level: Feb 7 1978, 4.82 ft. above MHHW

Boston, MA - Return to List

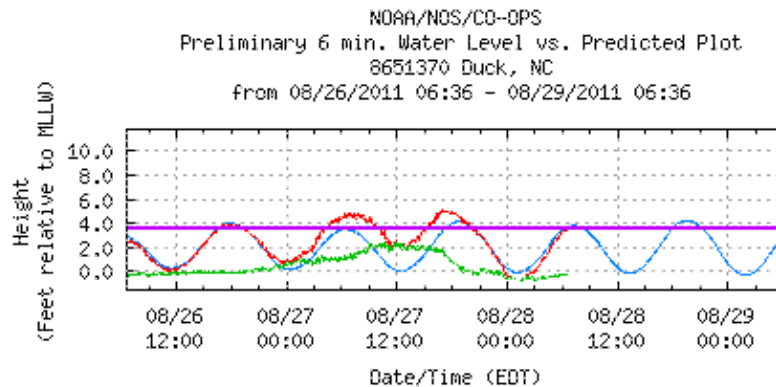


barometric pressure —

Last Observed Sample: 08/28/2011 06:24 (EDT)

Barometric Pressure: 999.8 mb

Duck, NC - Return to List



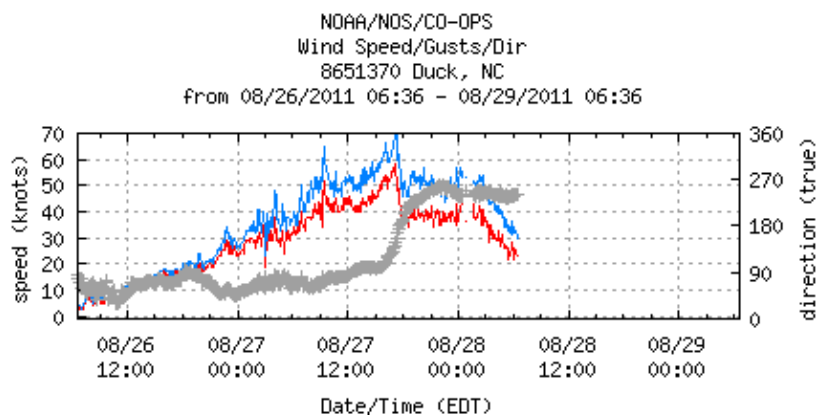
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/28/2011 06:24 (EDT)

Relative to MLLW: **Observed: 3.44 ft. Predicted: 3.67 ft. Residual: -0.23 ft.**

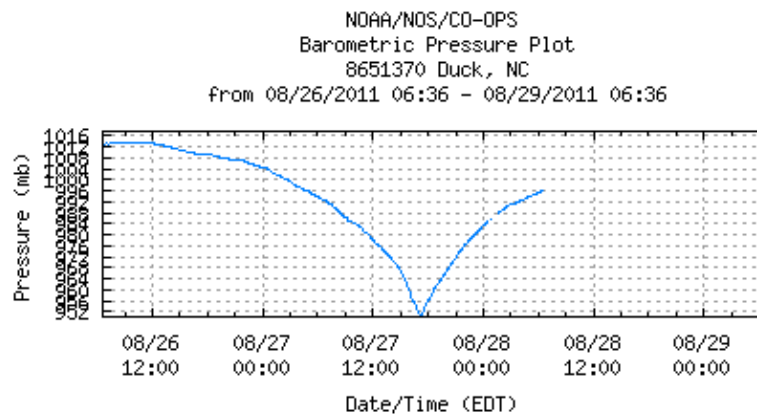
Historical Maximum Water Level: Aug 30 1999, 3.23 ft. above MHHW

Duck, NC - Return to List



speed — gusts — direction +
Last Observed Sample: 08/28/2011 06:24 (EDT)
Wind Speed: 23 knots Gusts: 30 knots Direction: 242° T

Duck, NC - Return to List



barometric pressure —
Last Observed Sample: 08/28/2011 06:24 (EDT)
Barometric Pressure: 996.0 mb

Hurricane IRENE QuickLook, POSTED 06:00 EDT 08/28/2011

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce